

SCIENTIFIC EVENTS

THE BANTING RESEARCH FOUNDATION

DURING the year 1934-35 the board of trustees of the Banting Research Foundation was reconstituted and now consists of the following members: *Chairman*, C. S. Macdonald, president of the Confederation Life Association; *Vice-chairman*, the Hon. Dr. H. J. Cody, president of the University of Toronto; *Honorary Secretary-Treasurers*, Professors V. E. Henderson and D. T. Fraser; *Members*, Sir William Mulock, chancellor of the University of Toronto; Dr. H. B. Anderson, Dr. J. G. FitzGerald, Dr. W. E. Gallie and J. W. Rogers.

Grants which were operative during the year were received by Dr. A. C. Abbott, University of Manitoba, for the study of the thyroid gland; Dr. H. H. Burnham, University of Toronto, for the study of the anatomy and physiology of the nasal mucosa; A. Cipriani, McGill University, methods for the continuous recording of heart rate and respiration; B. K. Coady, Dalhousie University, a study of the lymphocytes; Dr. A. M. Davidson, University of Manitoba, the so-called mosaic fungus; K. A. Evelyn, McGill University, the photoelectric colorimeter and its clinical applications; Dr. R. D. Heard, University of Toronto, adrenalin; Miss C. O. Hebb, McGill University, the relationship between blood sugar concentration and the external secretion of the pancreas; Dr. W. B. Hendry, University of Toronto, the changes in the ureters during pregnancy; Dr. L. Irving, University of Toronto, carbon dioxide anhydrase; Dr. M. J. Lawson, University of Toronto, the carbohydrate metabolism of the kidney; Dr. T. S. Perrett and Dr. D. G. Murray, University of Toronto, on the prevention of thrombosis by heparin; Dr. J. Prendergast, University of Manitoba, thyroid studies; Dr. F. Smith, McGill University, on the culture and growth of the streptococcus; Dr. W. H. M. Thompson, University of Western Ontario, the replacement of retinal detachments; Dr. B. M. Unkauf, University of Manitoba, the innervation of the human stomach; Dr. M. C. Watson, University of Toronto, a clinical study of female sex hormones; Dr. S. Weinstein, University of Toronto, the assay of the oestrus-inducing hormone.

Some fifteen papers appeared during the year, of which the most important were: H. H. Burnham, Toronto, "An Anatomical Investigation of the Blood Vessels of the Lateral Nasal Wall"; P. H. Gregory (with Dr. A. M. Davidson), "The Dermatophytes" and R. D. Heard, "The Mechanism of Adrenaline Stabilization." Further, as a result of the grant made to the department of medical research of the University of Toronto, under Sir Frederick Banting, eight papers were published, dealing with the enzyme phos-

phatase, silicosis, blood iodine in health and disease and the phosphoric esters of malignant tissues.

The trustees acknowledge the cooperation of the heads of the various departments in the universities. The present financial depression, however, has greatly increased the difficulties of many departments in extending the sphere and scope of the investigations they can afford and the foundation has been able to aid in advancing the solution of many problems.

GRANTS IN AID OF RESEARCH OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES

At its April meeting the American Academy of Arts and Sciences announced grants from its Permanent Science Fund as follows:

To Professor Arthur A. Blanchard, of the Massachusetts Institute of Technology, \$200 for technical assistance in an investigation of the composition and properties of the compound formed by the action of phosphorus trichloride on nickel carbonyl.

To Professor Charles T. Brues, Harvard University, \$1,300 to provide the expenses of a field trip to secure Cretaceous amber containing inclusions of insects.

To Dr. Joseph Copeland, College of the City of New York, \$500 to aid in the publication of a monograph entitled "Ecological and Taxonomic Studies of the Thermal Blue-green Algae (*Myxophyceae*) of the Yellowstone Hot Springs."

To Professor Robley D. Evans, Massachusetts Institute of Technology, \$300 for constructing an electric furnace to be used in a series of studies of the age of various minerals.

To Dr. and Mrs. Carroll L. Fenton, West Liberty, Iowa, \$350 to aid them in a critical study of certain corals.

To Professor Louis F. Fieser, Harvard University, \$1,000 for aid in the study of the composition of various natural compounds by a new method of precision analysis.

To Professor Harry R. Mimno, Harvard University, \$500 for expenses in connection with making certain ionosphere observations in Russia and Turkestan during the total eclipse of the sun which will occur on June 19.

To Dr. Wilson M. Powell, Connecticut College for Women, \$220 for certain apparatus to be used in studying light intensities.

To Professor Paul Weiss, University of Chicago, \$300 for providing moving picture equipment to be used in studying movements of supernumerary (grafted) muscles and limbs in the Amphibia.

Applications for grants-in-aid will be received by the committee until September 15 for action at the October meeting of the academy. Applications should be addressed to Professor E. M. East, chairman of the Permanent Science Fund Committee, Bussey Institution, Forest Hills, Boston, Mass.